Pending Claims

This listing of claims is a courtesy copy of the pending claims. No amendments have been made in this Reply.

1.   (original) In a system comprising at least a first device, a second device and a routing infrastructure comprising a plurality of routers used to communicate information between the first device and the second device, a method comprising the steps of:

at the first device:

receiving an anycast address;

injecting an updated route to the anycast address into the routing infrastructure each time the first device roams to a different subnet;

sending a binding update to the second device informing the second device of the anycast address; and

receiving information from the second device via the anycast address regardless of a location of the first device in the system.

2.   (original) The method of claim 1 wherein the anycast address is topologically independent.

3.   (original) The method of claim 1 wherein the anycast address remains constant while the first device is powered on.

4.   (original) The method of claim 1 wherein the second device is a home agent for the first device.

5.   (original) The method of claim 1 wherein the second device is a correspondent device in the system.

6.   (original) The method of claim 1 wherein the step of receiving an anycast address is performed when the first device is powered on.

7.   (original) The method of claim 1 wherein the step of receiving an anycast address is performed when the first device roams to a first foreign subnet.

8.   (original) The method of claim 1 wherein the anycast address is an anycast care-of-address.

9.   (original) The method of claim 1 wherein the anycast address is an anycast home address.

10.   (original) The method of claim 1 wherein the location of the first device is transparent to the second device.

11.   (original) The method of claim 1 further comprising the steps of:
        attaching to a mobile router; and
        receiving information from the second device via an address assigned to the mobile router.

12.   (original) The method of claim 11 further comprising the steps of:
        de-attaching from the mobile router;
        attaching to a new subnet;
        injecting an updated route to the anycast address into the routing infrastructure; and
        receiving information from the second device via the anycast address.